

SECTOR ABS AND ASSOCIATED DRAWINGS

MAY 2001

DRAFT_1

E. ANDERSSSEN, LBNL

PIXEL DETECTOR

HIERARCHICAL ABS

- **SECTOR FINAL ASSEMBLY**

- HYSOL EA9396NA
- SECTOR MOUNTING T-WASHERS (3)
- SECTOR BODY ASSEMBLY (1)
 - CYANATE-ESTER FOAM-TO-FACING PRECUT PART (1)
 - TUBE ASSEMBLY W/CGI ASSEMBLY (1)
 - CGI-(BULK MEASURED AMOUNT)
 - COOLING TUBE ASSEMBLY (1)
 - » STRAIN RELIEF (2)
 - » COOLING TUBE W/FITTINGS (1) (SUB-PARTS ARE COOLING TUBE AND (2) FITTINGS)
 - MOUNT-SIDE FACING ASSEMBLY (1)
 - CYANATE-ESTER BULK FILM ADHESIVE (AS REQUIRED)
 - FACING (1)
 - BEAM HARDPOINTS (2)
 - WEDGE HARDPOINTS (2)
 - NON-MOUNT-SIDE FACING ASSEMBLY (1)-REQUIRES PROCESS DRAWING
 - CYANATE-ESTER FOAM-TO-FACING PRECUT PART (1)
 - FACING (1)
 - FOAM BLANK (1)

SECTOR ABS



KEY TO DRAWING REQUIREMENTS

HYSOL EA9396NA
BULK MATERIAL

NO DRAWING—ONLY MATERIAL SPECIFICATION REQUIRED

SECTOR FACING

DRAWING OF FABRICATED PART AS IT APPEARS IN FINAL SECTOR

FOAM
CORE BLANK

DRAWING OF PART WHICH IS LATER PROCESSED TO FINAL SHAPE

COOLING
TUBE

DRAWING FOR PROCESSED PART TO FINISHED PART DIMENSIONS

NON-MOUNT SIDE
FACING ASSEMBLY

FINISH MACHINING
OF COOLING TUBE
CHANNEL IN FOAM

BONDED
FACING ASSEMBLY

MAJOR ASSEMBLY OF SUB-COMPONENTS

- COLLECTS INTERMEDIATE PROCESS STEPS RESULTING IN FINISHED ASSEMBLY
- IMPLIES SIGNIFICANT AMOUNT OF TOOLING
- QC PROCESS WHICH VERIFIES SUCCESS OF ASSEMBLY PROCESS

ITEMS SHARE COMMON MATERIAL SPECIFICATION